

ABSTRACT OF THE DISCLOSURE

A tool and method are provided for providing a predetermined clearance between an impeller and a shroud of a jet engine assembly, wherein the shroud has a mating surface, and the impeller and shroud are partially disposed within a casing having a mating surface, wherein the shroud mating surface and casing mating surface are configured to mate with an inlet housing having corresponding inner and outer mating surfaces with a distance between the planes thereof. The tool comprises a hub having first and second sides and an opening extending therethrough, the first side having first and second mating surfaces configured to mate with the shroud and casing mating surfaces, respectively. The hub has a distance between the planes in which the first and second mating surfaces lie, and the hub distance is less than the distance between the planes in which the inlet housing inner and outer mating surfaces lie.